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JUL 25 2003
TECH CENTER 1600/2900

3/18

Fig. 3

10 20 30 40 50 60
5' → 3' GGGGGGGCT GCAGCTAGA GAATCCAC GAATCAATG GCGGGGCA GAAGATGCAT
3' → 5' CTTAGTTTAC CCGGCGCGGT CTCTACGTA

70 80 90 100 110
GGCTGAGGC GCGGCAAGC TTCTATAG
CCGAGCTCG CCGGCTCG AAGATATCAC AGTGGATTGA GCATACAC

MCS-1: DNA sequence represented by _____

MCS-2: DNA sequence represented by ~~~~~~

MCS-3: DNA sequence represented by =====

MCS-4: DNA sequence represented by _____

Fig. 9

Lac operator of POPI3

5' → 3'
3' → 5'

BamHI

AGCTTGGTTGGAATCTAAAATACACAAACAATTAGGATCCCTGAGGAGCAGTTCCTTTGAT
ACCAACCTTAGATTCTTATGTGTTTGTATCTCTAGGAGCTCCTCTGCAAGAACTA

TTGCACCACCAGGAGCCTCAAATTTTCAATAAATTCACCTGACTGCACATTAGGACTTT
AACGTGGTGGTCTCGGAGTTTAAAAAGTTATTTAAGTGGACTGAGGAGTAATCCTGAAA

GGCTTTGAGCTTCCACCTCTCAGTCTTCTGTAATACTGTCTGCTTCATCAATATTTAT
CCGAAACTCGAAGGGTGGAGAGTCAATGAAGCACTTATGACAGACGAAGTAGTTATAATA

CATAGGTGTGCCCAATGATATTTGCAACCCCTCCCTGTTGGCTACTTGTCTCACCATTG
GTATGCCACACGGGTTTACTATAAACGTTGGGAAGGGACAAACGATGAACAGAGTGGTAAC

BamHI

Sall

TAGGCTTAATGGGAGACGGATCCCTAGTTTAAACACATTATACACTAGGGTCGACTGEGGA
ATCCGGATTACCTCTGCTTAGGCATCAAATTTGTATATATGTGATCCAGCTGACACCT

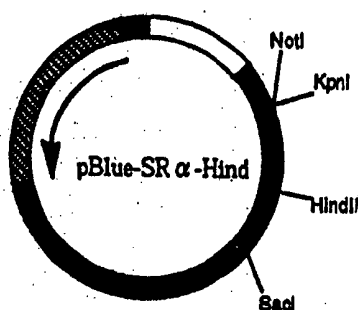
Sall

ATTGTGAGCGCTCACAATTCCACAACCTAGGGTCGACTGTGGAATTGTGAGCGCTCACAA
TAACACTCGGAGTGTTAAGGTGTGGATCCAGCTGACACCTTAACACTCGGAGTGT

Sall

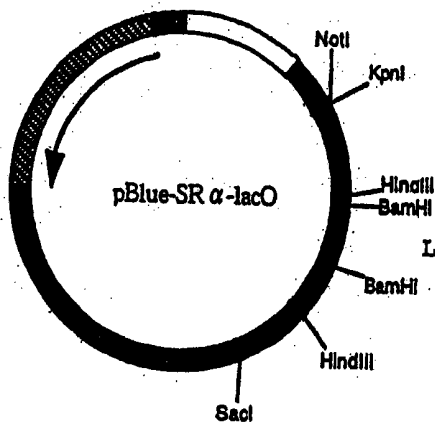
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AAGGTGTGGATCCAGCTGACACCTTAACACTCGGAGTGTTAAGGTGTGGATCATTT

TTTATATTTACCTTAGAGCTTAAATCTCTGTAGGTAGTTTGTCCA
AAAATATAATGGAATCTCGAAATTTAGAGACATCCATCAAACAGGTTGGA



HindIII

HindIII



Lac operator of POPI3